

Listing of Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-19 (Canceled)

20. (Withdrawn) A diabetes self-care system, comprising:

(a) a blood glucose meter;

(b) a portable microprocessor-based unit signal coupled with the blood glucose meter such as to be capable of downloading blood glucose measurement data into the portable microprocessor-based unit;

(c) said blood glucose data being used as input data for a program of instructions running on the portable microprocessor-based unit; and

(d) said program of instructions including instructions to send a signal to inject insulin when blood glucose levels do not remain in a predetermined range.

21. (New) The system of claim 20, said program of instructions including instructions to send a signal to advance to next treatment steps.

22. (Withdrawn) The system of claim 20, said program of instructions including instructions to display an indicator to check blood glucose level on a display screen of the portable microprocessor-based unit.

23. (Withdrawn) The system of claim 20, said program of instructions including instructions to display an indicator to select insulin plan on a display screen of the portable microprocessor-based unit.

24. (Withdrawn) The system of claim 20, said program of instructions including instructions to display an indicator to get a menu of foods to eat on a display screen of the portable microprocessor-based unit.

25. (Withdrawn) The system of claim 20, said portable microprocessor-based unit being connectable with a remote communication unit.

26. (Withdrawn) The system of claim 20, said portable microprocessor-based unit being remotely connectable with a hospital computer.

27. (Withdrawn) The system of claim 26, said portable microprocessor-based unit being remotely connectable with said hospital computer via a telephone line.
28. (Withdrawn) A method of diabetes self-care, comprising:
- signal coupling a blood glucose meter with a portable microprocessor-based unit;
 - downloading blood glucose measurement data into the portable microprocessor base unit from the blood glucose meter;
 - running a program of instructions on the portable microprocessor-based unit;
 - inputting said blood glucose data as input data for the program of instructions running the portable microprocessor-based unit; and
 - sending a signal including instructions of said program of instructions to inject insulin when blood glucose levels do not remain in a predetermined range.
29. (Withdrawn) The method of claim 28, further comprising sending a signal to advance to next treatment steps.
30. (Withdrawn) The method of claim 28, further comprising displaying an indicator to check blood glucose level on a display screen of the portable microprocessor-based unit.
31. (Withdrawn) The method of claim 28, further comprising displaying an indicator to select insulin plan on a display screen of the portable microprocessor-based unit.
32. (Withdrawn) The method of claim 28, further comprising displaying an indicator to get a menu of foods to eat on a display screen of the portable microprocessor-based unit.
33. (Withdrawn) The method of claim 28, further comprising connecting said portable microprocessor-based unit with a remote communication unit.
34. (Withdrawn) The method of claim 28, said connecting including remotely connecting said portable microprocessor-based unit with a hospital computer.
35. (Withdrawn) The method of claim 34, said connecting including remotely connecting said portable microprocessor-based unit with said hospital computer via a telephone line.
36. (Withdrawn) A diabetes self-care system, comprising:

(a) a portable microprocessor-based unit capable of downloading blood glucose measurement data therein;

(b) a remote communications unit signal coupled for communication with said portable microprocessor-based unit;

(b) said blood glucose measurement data being used as input data for a program of instructions running on the portable microprocessor-based unit; and

(d) said program of instructions including instructions to send a signal to inject insulin when blood glucose levels do not remain in a predetermined range.

37. (Withdrawn) The system of claim 36, further comprising a blood glucose meter signal coupled with said portable microprocessor-based unit from which said blood glucose data are downloaded.

38. (Withdrawn) The system of claim 36, said program of instructions including instructions to send a signal to advance to next treatment steps.

39. (Withdrawn) The system of claim 36, said program of instructions including instructions to run an operation to check blood glucose level.

40. (Withdrawn) The system of claim 36, said program of instructions including instructions to run an operation to select insulin plan.

41. (Withdrawn) The system of claim 36, said program of instructions including instructions to run an operation to get a menu of foods to eat.

42. (Withdrawn) A method of diabetes self-care, comprising:
signal coupling a remote communications unit with a portable microprocessor-based unit;

downloading blood glucose measurement data into a portable microprocessor based unit;

running a program of instructions on the portable microprocessor-based unit;

inputting said blood glucose data as input data for the program of instructions running on the portable microprocessor-based unit; and

sending a signal including instructions of said program of instructions to inject insulin when blood glucose levels do not remain in a predetermined range.

43. (Withdrawn) The method of claim 42, further comprising signal coupling a blood glucose meter with said portable microprocessor-based unit from which said blood glucose data are downloaded.

44. (Withdrawn) The method of claim 42, further comprising sending a signal to advance to next treatment steps.

45. (Withdrawn) The method of claim 42, further comprising checking blood glucose level as a result of running the program of instructions.

46. (Withdrawn) The method of claim 42, further comprising selecting an insulin plan as a result of running the program of instructions.

47. (Withdrawn) The method of claim 42, further comprising getting a menu of foods to eat as a result of running the program of instructions.

48. (Currently Amended) ~~An apparatus~~ system for ~~interactively~~ monitoring a physiological condition and for ~~interactively~~ providing health-related information comprising:

(a) a display ~~comprising~~ device including a display screen ~~and~~;

(b) an audio speaker;

~~(b)(c)~~ a ~~multimedia~~ processor ~~coupled~~ configured to provide an audio signal and a visual signals to the display device ~~wherein the multimedia processor comprises a digital data storage medium; and audio speaker respectively;~~

(d) at least one memory;

~~(e)(e)~~ a at least one physiological data monitor configured to provide a signal representative of a user physiological parameter ~~of a user;~~

~~(d)(f)~~ an interface ~~device and patient isolating circuit~~ coupled between the ~~multimedia~~ processor and the physiological data monitor to at least isolate electrically the physiological data monitor from the processor; and

~~(e)(g)~~ a program controller ~~coupled~~ configured to

(i) receive an input from a user,

_____ (ii) _____ provide a control signal to the ~~multimedia~~ processor based upon the user's input, ~~so as~~ thereby to ~~cause provide~~ health related information to ~~be provided to~~ the user ~~in an interactive manner~~ based upon the signal representative of the physiological ~~condition~~ parameter and the control signal.

49. (Currently Amended) The ~~apparatus~~ system according to claim 48, wherein the physiological ~~condition~~ comprises parameter includes a blood glucose level and the physiological data monitor ~~comprises~~ includes a blood glucose ~~meter~~ indicator.

50. (Currently Amended) The ~~apparatus~~ system according to claim 49, wherein the interface ~~device~~ comprises includes;

(a) a ~~blood glucose data~~ signal receiver for receiving the signal representative of a blood glucose level;

(b) an ~~A/D~~ converter for converting the received signal ~~representative of a blood glucose level~~ into a form acceptable to the multimedia processor; and

(c) a multimedia controller for controlling the ~~multimedia processor~~ coupled to the A/D converter.

51. (Currently Amended) An ~~apparatus~~ system for interactively monitoring a blood glucose level and for interactively providing health-related information comprising:

(a) a blood glucose monitor ~~that is adapted to measure a blood glucose level of a user and for generating a first electronic signal in response to a measurement of the blood glucose level;~~

(b) a processor for receiving a second ~~electronic~~ signal that is a function of the first ~~electronic~~ signal;

(c) an interface ~~isolating device~~ coupled between the blood glucose monitor and the processor

_____ (i) _____ for receiving the first ~~electronic~~ signal from the blood glucose monitor and

_____ (ii) _____ for providing the second ~~electronic~~ signal to the processor, ~~wherein the interface and~~

_____ (iii) _____ configured to isolate ~~isolating device~~ electrically isolates the user from the processor;

(d) a memory coupled to the processor for storing blood level data; and
(e) a display system coupled to the processor for displaying a representation of the blood glucose level data, so as to provide health related information to the user in an interactive manner.

52. (Currently Amended) The system according to claim 51, wherein the interface ~~isolating device~~ utilizes optical isolation.

53. (New) The system according to claim 48 configured to execute one or more health-related functions selected from the group consisting of ECG, blood pressure, pulse rate and kidney functions.

54. (New) The system according to claim 48, wherein the program controller enables the user to make selections and to control the functions of the health monitoring system.

55. (New) The system according to claim 54 wherein the program controller is hand-held.

56. (New) The system according to claim 54, wherein the program controller receives input from the user through at least one push button switch.

57. (New) The system according to claim 48, wherein health related information provided to the user includes moving images displayed on the display.

58. (New) The system according to claim 57, wherein the health related information provided to the user includes a comparison of user measurements with previously stored measurements.

59. (New) The system according to claim 57, wherein the health related information provided to the user includes educational information.

60. (New) The system according to claim 48, wherein the system is configured to store information on at least one memory for later retrieval.

61. (New) The system according to claim 48, wherein the display is a television display and the processor has at least one removable memory.

62. (New) A method for monitoring a physiological condition and for providing health-related information comprising:

(a) using at least one physiological data monitor to provide a signal representative of a user physiological parameter;

(b) providing a processor to produce audio and a visual signals for reproduction at a display device and audio speaker respectively;

(c) electrically isolating the processor and the physiological data monitor a display device including a display screen;

(d) using a program controller

(i) to receive an input from a user, and

(ii) to provide signals to the processor based upon the user's input; and

(e) in response and based upon the signal representative of the physiological parameter and the input from the user, having the processor cause the visual and audio provision of health related information to the user.

63. (New) The method according to claim 62, wherein the physiological parameter includes a blood glucose level and the physiological data monitor includes a blood glucose indicator.

64. (New) The method according to claim 63, further comprising:

(a) receiving a signal representative of a blood glucose level;

(b) converting the received signal into a form acceptable to the multimedia processor; and

(c) using a multimedia controller for controlling the processor.

65. (New) The method according to claim 62, wherein the electrical isolation is achieved by optical isolation.

66. (New) The method according to claim 62 further comprising executing one or more health-related functions selected from the group consisting of ECG, blood pressure, pulse rate and kidney functions.

67. (New) The method according to claim 62, further comprising enabling the user to select and control the functions of the health monitoring method.
68. (New) The method according to claim 67 wherein the program controller is hand-held.
69. (New) The method according to claim 67, wherein the program controller receives input from the user through at least one push button switch.
70. (New) The method according to claim 62, wherein health related information provided to the user includes moving images displayed on the display.
71. (New) The method according to claim 70, wherein the health related information provided to the user includes a comparison of user measurements with previously stored measurements.
72. (New) The method according to claim 70, wherein the health related information provided to the user includes educational information.
73. (New) The method according to claim 62, further comprising storing information at least one memory for later retrieval.
74. (New) The method according to claim 62, wherein the visual signals are reproduced on a television and the processor has at least one removable memory.

Respectfully submitted,

Date: March 17, 2005



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